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DOCUMENT-IDENTIFIER: US 5712803 A

TITLE: Method of acquiring and digitizing objects through a transparent wall

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Detailed Description Text - DETX (75):

The data successively acquired and digitized (section planes S.sub.i) can therefore be converted into absolute coordinates knowing the position of the sensor holder 2 along the axis .increment. during acquisition. Note that the data is corrected, and therefore free of errors due to the non-plane shape of the plate 40. Accumulation of the data relating to the various sections acquired and digitized along the axis .increment. plots the exact external shape of the foot 4. As already mentioned, this data is stored in memory for subsequent processing to enable shoes to be made to measure. The acquisition and digitization process can naturally be monitored in situ and in real time by displaying the acquired sections on a display screen. The result may be displayed in "wire mesh" form, for example in "false colours", or using appropriate "smoothing" an interpolation software in a more sophisticated form closer to reality.

Current US Cross Reference Classification - CCXR (3):
382/154